

## Message Text

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ACTION ACDA-10

INFO OCT-01 EUR-12 ISO-00 ACDE-00 NEA-10 MC-02 OES-06

INR-07 PM-04 SP-02 DODE-00 EB-07 NRC-05 NSAE-00

TRSE-00 ERDA-05 CIAE-00 COME-00 USIE-00 ERDE-00 SSO-00

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FM AMEMBASSY LONDON

TO SECSTATE WASHDC IMMEDIATE 5523

C O N F I D E N T I A L SECTION 01 OF 05 LONDON 14620

ACDA FOR J. DESPRES (VAB) AND S.D. ANDERSON (A) ONLY

E.O. 11652: GDS

TAGS: OCON, TECH, UK

SUBJECT: REPORT ON INTERNATIONAL COUNTERMEASURES CONFERENCE, LONDON. SEPTEMBER 8-10, 1976

REFS: (A) STATE 211206 (B) LONDON 14123

1. AS REQUESTED PARAGRAPH 2, REFTTEL A, SCIATT LONDON CONTACTED THE ORGANIZERS OF THE CONFERENCE AND MADE ARRANGEMENTS TO ATTEND. IN FACT. TIMING OF ICC REQUIRED THE FOLLOWING THREE MEMBERS OF THE EMBASSY STAFF TO WORK IN RELAYS TO COVER ALL SESSIONS: J.K. HULM, S. SCHWARTZSTEIN, AND J.G. SEYSTER.

2. THE CONFERENCE WAS ORGANIZED BY MR. WILLIAM HICKEY. A US CITIZEN AND PRIVATE ENTREPRENEUR WHOSE COMPANY, GOLDEN GATE ENTERPRISES, INC (1333 LAWRENCE EXPRESSWAY, SANTA CLARA, CA 95051), ORGANIZES TRADE SHOWS AND SALES SEMINARS. HE HAS CONDUCTED SEVERAL SEMICON SHOWS AND ELECTRONIC CONFERENCES SUCH AS WESCON, WHICH ARE ORIMARILY MANUFACTURERS' MEETINGS. MR. HICKEY VISITED WITH SCIATT AT CHANCERY WHEN ADVISED OF OUR INTEREST IN THE PROCEEDINGS (FYI: NO MENTION WAS MADE OF ACDA OR OTHER  
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USG INTEREST END FYI).

3. COMMENTING ON THE CONFERENCE, HICKEY SAID HE ANTICIPATED ABOUT 25 PAPERS AND 150 REGISTRATIONS. HE STATED THAT ORIGINALLY THE CONFERENCE WAS CONCEIVED AS A MUCH LARGER EVENT, BUT THAT IT HAD EXPERIENCED "SHRINKAGE" DUE TO NEGATIVE ATTITUDES EMANATING FROM US, UK AND FRG DEFENSE DEPARTMENTS. ALL HAD INDICATED DISPLEASURE AT A CONFERENCE COVERING SUCH A SENSITIVE SUBJECT. AND PREFERRED SUCH MEETINGS TO BE CONDUCTED IN A CLASSIFIED VENUE. MENTION WAS MADE OF A CONFLICT WITH THE GROUP OF DEFENSE CONTRACTORS KNOWN AS THE "OLD CROWS", WHO WOULD BE HOLDING THEIR OWN MEETING LATER THIS YEAR. CONSEQUENTLY, HICKEY OBSERVED THAT DOD HAD DISCOURAGED MANY OF THEIR CONTRACTORS FROM SUBMITTING PAPERS, AND SOME HAD BEEN ASKED TO WITHDRAW PAPERS PREVIOUSLY SUBMITTED. HICKEY STATED CATEGORICALLY THAT THE CONFERENCE WAS DESIGNED TO BE ENTIRELY UNCLASSIFIED, THAT NO CLASSIFIED DISCUSSION WOULD BE PERMITTED. HE HAD BEEN ASKED TO EXCLUDE COMMUNIST BLOC NATIONS, AND HAD THEREFORE TURNED DOWN SEVERAL IRON CURTAIN REPS WHO APPLIED. ATTENDEES WERE TO BE PRIMARILY FROM NATO COUNTRIES, BUT THREE ISRAELIS, SIX INDIAN AND SOME BLACK REGISTRANTS PARTICIPATED. ADMISSION TO THE CONFERENCE WAS BY LOCALLY-MANUFACTURED BADGE PLUS INDIVIDUAL IDENTIFICATION. FYI: WE SAW NO EVIDENCE OF THE LATTER EXCEPT AT INITIAL REGISTRATION STAGE--AFTER THAT, BADGES WERE GLANCED AT ON INFREQUENT BASIS UPON ENTRY. SEYSTER EXPERIENCED NO CHECKS DURING THREE OF HIS ENTRIES END FYI. REGISTRATION FEE INCLUDED A TRANSCRIPT OF PROCEEDINGS, COFFEE, BUT NO MEALS OR OTHER FRINGE BENEFITS.

4. FROM CONTACT WITH HICKEY, WE GAINED THE IMPRESSION THAT THE ICC WAS NOT LIKELY TO BE A TRUE TECHNICAL CONFERENCE SUCH AS MIGHT BE ORGANIZED BY A TECHNICAL SOCIETY, WITH FULL EXCHANGE OF TECHNICAL CRITICISM AND PROBLEMS. RATHER, WE SUSPECTED THAT IT WAS PRIMARILY A VEHICLE FOR US MANUFACTURERS TO ADVERTISE THEIR EW PRODUCTS TO FOREIGN COUNTRIES FRIENDLY TO THE UNITED STATES. FROM THE HIGH REGISTRATION FEE, IT IS ALSO OBVIOUSLY A PROFIT-MAKING VENTURE BY HICKEY. NOTHING THAT WE LEARNED IN ATTENDING THE CONFERENCE HAS CHANGED THIS JUDGMENT.

5. ON ARRIVING AT THE REGISTRATION DESK ON SEPTEMBER 8 AT THE HILTON, WE WERE BADGED AND OUR CREDENTIALS WERE CONFIDENTIAL

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CHECKED. WE WERE INFORMED THAT A THIRD PERSON COULD ATTEND THE CONFERENCE USING ONE OF OUR TWO BADGES. NO NAMES (OF THIRD PERSONS) WERE SOLICITED BY ORGANIZERS AT THAT TIME OR SUBSEQUENTLY. THE FOLLOWING DOCUMENTS WERE GIVEN TO US UPON COMPLETION OF REGISTRATION:

- (A) OUTLINE "TECHNICAL PROGRAMME"
- (B) JULY/AUGUST ISSUE OF "ELECTRONIC WARFARE" MAGAZINE (VOLUME 8, NO. 4)

(C) AUGUST/SEPTEMBER ISSUE OF "MICROWAVE SYSTEMS NEWS"  
MAGAZINE (VOLUME 6, NO. 4)  
(D) SEPTEMBER 1 ISSUE OF "ELECTRONICS WEEKLY"  
COPIES OF THESE ARE BEING POUCHED SEPARATELY TO ACDA/VAB.  
A TOTAL OF 27 PAPERS WERE LISTED IN PROGRAM (PARA 5(A)).  
AS FOLLOWS:

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O 161120Z SEP 76

FM AMEMBASSY LONDON

TO SECSTATE WASHDC IMMEDIATE 5524

C O N F I D E N T I A L SECTION 02 OF 05 LONDON 14620

SEPTEMBER 8

- (1) A HISTORY OF ELECTRONIC WARFARE; A. PRICE (PARA 6A)
- (2) EFFECTIVE APPLICATION OF DENSE RADAR ENVIRONMENT  
SIMULATION; MARTIN MARIETTA, R. KNOX (PARA 6B)
- (3) EW/ECM SYNTHETIC SIMULATION: AAI CORPORATION, R.P.  
OBERLIN (PARA 6C)
- (4) CURRENT STATUS OF EW RECEIVERS; SCIENTIFIC COMMUNI-  
CATIONS INC., K. SHEN (PARA 6D)
- (5) GOMIOMETERS (SIC) FOR SCANNING PHASED ARRAY AN-  
TENNAS; OLEKTRON CORPORATION, DR. J. P. CURTIS  
(PARA 6E)
- (6) DEVELOPMENTS IN PULSED TUBES: HUGHES AIRCRAFT  
COMPANY, DR. O. SAUSENG (PARA 6F)

- (7) THE DRONE AS A PLATFORM FOR COUNTERMEASURES OPERATION; E-SYSTEMS, INC., H. F. SMITH (PARA 6G)
- (8) R-5000 MICROWAVE RECEIVER SYSTEM; GTE SYLVANIA, J. S. BODEY (PARA 6C)

SEPTEMBER 9

- (9) APPLICATIONS FOR AIRBORNE DIGITAL COMMUNICATIONS; MITRE CORPORATION, N. JANUS (PARA 6H)
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- (10) VOICE PROCESSOR; E-SYSTEMS, INC., DR. W.J.B. OLDHAM JR. (PARA 6I)
- (11) ECCM TECHNIQUES; S. L. JOHNSTON (PARA 6J)
- (12) ECCM APPLICATIONS; A. PRICE (PARA 6K)
- (13) ECCM AND THE MAGNETRON; VARIAN ASSOCIATES, C. LOB (PARA 6L)
- (14) A COMPATIBLE STRING OF ECCM FIXES; GENERAL ELECTRIC CO., D. C. STONER (PARA 6M)
- (15) RADAR DESIGN FOR ECCM: GEC-MARCONI ELECTRONICS LTD., M. F. RADFORD (PARA 6N)
- (16) ECCM IMPROVEMENT FACTORS; S. L. JOHNSTON (PARA 6O)
- (17) BURNTHRU RANGE--BAH HUMBBUG; S. L. JOHNSTON (PARA 6P)
- (18) BATTLEFIELD EW VULNERABILITY ASSESSMENT FOR EFFECTIVE ECCM EMPLOYMENT; EMERSON ELECTRIC CO., O.B. MITCHELL (PARA 6Q)

SEPTEMBER 10

- (19) LOCAL OSCILLATORS FOR FREQUENCY AGILE SYSTEMS; MICROWAVE INSTITUTE, P. WEISSGLAS; ANDIMA MICROWAVE PRODUCTS, S. SVENSSON (PARA 6R)
- (20) BROADBAND RADOME CONSIDERATIONS; BRITISH AIRCRAFT CORPORATION LTD., S. N. WATERMAN (PARA 6S)
- (21) DIGITAL RECORDING TECHNIQUES; AMOEX CORPORATION; ALASTAIR MCLEAN (PARA 6T)
- (22) NEW INTERFACE BUS SPEEDS AND SIMPLIFIES EW SYSTEM MEASUREMENTS; HEWLETT PACKARD, U.K., D. PEACOCK (PARA 6U)
- (23) A CCD LASER HOMING AND WARNING SYSTEM; FAIRCHILD CAMERA AND INSTRUMENT CORPORATION, H. SADDWSKI (PARA 6V)
- (24) HEAD UP DISPLAY/GUNSIGHT AND WEAPON AIMING SYSTEMS; MARCONI-ELLIOTT AVIONIC SYSTEMS LTD., D.W. HUSSEY (PARA 6W)
- (25) INTEGRATED COLOR TACTICAL DISPLAY SYSTEM: LORAL ELECTRONIC SYSTEMS, S. STORPER (PARA 6X)
- (26) ELECTRONIC CORRELATOR FOR PASSIVE RANGING TO JAMMER TARGETS; BOEING AEROSPACE CO., K.H. NORSWORTHY (PARA 6Y)
- (27) COUNTERMEASURES DISPENSER SET DESIGNED FOR CONTROL

BY RADAR WARNING RECEIVERS; GOODYEAR AEROSPACE  
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CORPORATION; J. C. HUBER, JR. (PARA 6Z)

6. BRIEF COMMENTS ON THE LECTURES FROM THESE PAPERS  
FOLLOW (THE CHAIRMAN FOR ALL SESSIONS WAS S. C. JOHNSTON  
OF THE ARMY BALLISTIC MISSILE LABORATORY, HUNTSVILLE. HE  
TOLD ME IN THE BREAK THAT HE WAS THERE PRIVATELY. ON AN-  
NUAL LEAVE):

A. PRICE GAVE AN EXCELLENT AND ENTERTAINING SUMMARY OF  
THE HISTORY OF ELECTRONIC WARFARE IN WORLD WAR II. HE  
DEALT WITH JAMMING OF LORENZ, G AND OTHER BOMBER NAVIGA-  
TION SYSTEMS, ALSO "WINDOW" (CHAFF), THE PHONY FLEET (D  
DAY) AND ANTI-SUBMARINE WARFARE FROM AIRCRAFT. MANY OF  
THE LESSONS LEARNED ARE APPLICABLE TO MODERN WARFARE--  
BUT THE LECTURE MATERIAL WAS CHIEFLY OF HISTORICAL  
VALUE.

B. KNOX DIDN'T SHOW. HE WAS REPLACED BY REED  
CLAWSON, WITHOUT VISUAL AIDS. CLAWSON DESCRIBED THE  
MARTIN MARIETTA MEES SYSTEM, MULTI-PURPOSE ELECTROMAG-  
NETIC SIMULATOR. THIS IS A RADAR SIMULATOR WHICH HAS

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C O N F I D E N T I A L SECTION 03 OF 05 LONDON 14620

THREE RF CHANNELS AND 32 P.R.F. GENERATORS IN THE 2-12.4 GIGA-HERZ RANGE. HE ALSO DESCRIBED A WAVE-FRONT SIMULATOR, "MEWES" AND A MARK II MEES. PURE ADVERTISING--ALL DISCUSSION OF WORK WITH ACTUAL SIMULATOR OROGRAMS WAS EXCLUDED. AN UNINFORMATIVE TALK.

C. OBERLIN WAS ANOTHER NO-SHOW, SO THE CHAIRMAN SUBSTITUTED PAPER 8, THE R-5000 MICROWAVE RECEIVER SYSTEM FROM GTE SYLVANIA. THE ANNOUNCED SPEAKER (BODEY) WASN'T PRESENT, SO A MR. IMPY (AFFILIATION UNKNOWN) GAVE THE TALK). THE R-5000 IS A RADAR SIGNAL ANALYZER OF GREAT FLEXIBILITY, OPERATING OVER THE 0.5 TO 40 GIGA-HERZ REGION. NOMINAL PERFORMANCE FIGURES SUCH AS NOISE FIGURE, GAIN, ETC. WERE GIVEN FOR THE P, L, S, C, X, KU, K AND KL BANDS. AGAIN THE TALK WAS A PURE SALES PITCH; NO ACTUAL ANALYSES PRESENTED.

D. MR. TED HART REPLACED K. SHEN AS SPOKESMAN FOR SCIENTIFIC COMMUNICATIONS, INC. THIS WAS A LONG TALK (90 MINUTES) ON THE SPECIFICATIONS OF MICROWAVE RECEIVERS--THAT IS, WHAT THE CUSTOMER SHOULD CALL FOR IN GREAT DETAIL. HART WAS TALKING ABOUT THE SCR 2100 SERIES OF CONFIDENTIAL

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RECEIVERS. THIS WAS A GOOD EDUCATIONAL TALK, BUT AGAIN NO EXAMPLES OF USE.

E. CURTIS, THE FIRST AUTHOR TO SPEAK AS BILLED IN THE PROGRAM, GAVE A DREADFUL TALK ON THE PRINCIPLES OF GONIOMETERS. HE WENT INTO THE PROBLEMS OF IMPEDANCE MATCHING AND NETWORKS REQUIRED FOR SMOOTH SWITCHING. THIS ADDED LITTLE TO OUR KNOWLEDGE OF THIS SUBJECT. NO MENTION WAS MADE OF SOECIFIC EQUIPMENT.

F. SAUSENG OF HUGHES AIRCRAFT LECTURED ON BROAD-BAND TRAVELING WAVE TUBES FOR ECM APOLICATION. HE DESCRIBED PULSED HELIX TUBES, FOLDED HELIX TUBES, ETC. GOOD DATA GIVEN, PROBLEMS WITH HARMONICS DISCUSSED. ONE OF BEST LECTURES PRESENTED.

G. PAPER CANCELLED. CHAIRMAN JOHNSON ANNOUNCED THAT MR. SMITH WOULD BE AVAILABLE FRIDAY FOR THOSE INTERESTED.

WE COULDN'T LOCATE HIM ON FRIDAY.

H. SUBSTITUTED FOR TALK SCHEDULED EARLIER (SEE PARA 6C ABOVE).

I. EMBASSY REPS UNABLE TO COVER SESSION.

J. EMBASSY REPS UNABLE TO ATTEND.

K. JOHNSTON DISCUSSED ECCM IN REGARD TO RADAR (REVISED TITLE WAS GIVEN AS "RADAR ECCM TECHNIQUES"). HE DEVELOPED AN "EW TREE" WITH THREE MAIN BRANCHES--ECM, EWSM (I. E. ESM), ECCM (WITH PARALLEL EMC, DEFINED AS "ECCM APPLIED TO FRIENDLY UNINTENTIONAL EMANATION"). WHAT JOHNSTON DESCRIBED AS "US ARMY" DEFINITIONS WERE GIVEN FOR THESE TERMS, AND WERE COMMON USAGE TYPES. JOHNSTON STATED HE WOULD BE WRITING A BOOK ON THIS SUBJECT IN NEAR FUTURE. HE DELVED INTO INVALID TARGET TRACKING, BASIC RADAR RADIATION CHARACTERISTICS, ANGULAR POSITIONING, RADAR SIGNATURES, FALSE ALARM RATES AND THEIR REDUCTION, ENHANCEMENT OF S/J RATIO, MAINTENANCE OF TRACK. HE MENTIONED HIS PAOER (SESSION TRANSCRIPT) WOULD COMPREHENSIVELY COVER TWO TYPES OF ECCM TECHNIQUES:  
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(L) ELECTRONIC (30 TYPES IN TRANSMITTAL (E.G. DUPLEXING, PRF, PULSE SUPPRESSION), 22 IN ANTENNAE, AND 111 (E.G., SIDE LOBE, ANGULAR MEASUREMENT) IN RECEIVER), AND (2) OPERATIONAL (E.G., OPERATOR USE, METHODS OF OPERATION, DEPLOYMENT, ESM). BRIEF COVERAGE OF ECM-ECCM MATRIX GIVEN (INCLUDING ACTIVE DENIAL: CW, LONG PULSE, SPOT AND BARRAGE NOISE JAMMING; GATE STEALERS--ANGLE FOR TWS RADARS CITED AS SPECIAL CASE--AND PASSIVE DENIAL: CHAFF, ABSORBING MATERIAL, DECOYS).

J. PRICE'S "ECCM APPLICATIONS" TALK INCLUDED IN PREVIOUS JOHNSTON SESSION (PARA 6I ABOVE).

K. LOB TALK NOT PARTICULARLY INFORMATIVE. HIS MAIN THESIS WAS ECCM AND MAGNETRON EASY TO COMBINE. DISCUSSION OF LEVEL OF POWER, TEST RUNS AND "GADGETRY" WAS EXCLUDED, DUE TO "CLASSIFICATION PROBLEM."

L. STONER'S PAPER INCLUDED PARAMETERS FOR MAXIMUM LEVELS OF EFFICIENCY IN STRINGING ECCM FIXES.

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M. RADAR DESIGN TALK BY RADFORD WAS NOT ATTENDED BY  
EMBASSY STAFF.

N. EMBASSY STAFF UNABLE TO ATTEND JOHNSTON TALK.

O. BURNTHRU RANGE NOT COVERED BY EMBASSY REPS.

P. MITCHELL PAPER NOT COVERED BY EMBASSY REPS.

Q. EMBASSY REPS UNABLE TO ATTEND THE WEISSGLAS/SVENSSON  
LECTURE.

R. DITTO FOR WATERMAN TALK.

S. MCLEAN PRESENTED IN SOME DETAIL THE OPTIMAL USE OF  
AMPEX DIGITAL RECORDERS. ANOTHER SALES OITCH, WHICH  
PROVED TO BE BASICALLY UNENLIGHTENING.

T. PEACOCK GAVE LITTLE INSIGHT, BUT MANY TECHNICAL  
FACTS, ON THE SUBJECT. UNINFORMATIVE.

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U. EMBASSY REPS UNABLE TO ATTEND SADDWSKI LECTURE.

V. DITTO FOR HUSSEY TALK.

W. DITTO FOR STORPER SESSION.

X. NORSWORTHY DESCRIBED THE BOEING CORRELATOR IN SOME DETAIL, SPECIFYING TECHNICAL CHARACTERISTICS SUCH AS ITS BEING CAPABLE OF ONE BILLION MULTIPLYING OPERATIONS PER SECOND, LL MULTIPLIERS WITHIN TEN NANoseconds, NO WORK ON SHORT DURATION JAMMING PULSES (LESS THAN 30 MILLI-SECONDS), GROUND BALANCE WORK DONE (THIS LATTER SUBJECT WAS NOT COMMENTED ON FURTHER BECAUSE OF CLASSIFICATION), ETC.

Y. HUBER TALK WAS RETITLED "WHAT'S NEW IN CHAFF/EXPENDABLE JAMMERS/FLARES." COVERING "SMART DISPENSERS" IN DETAIL, HUBER CITED A "FIVE MINUTE INTERVAL ON USN EXPENDABLE JAMMERS AND STATED AT PRESENT THEY HAD NO IR CAPABILITY. HE MENTIONED THESE WOULD SOON BE FITTED ON SEVERAL US MILITARY PLATFORMS, SUCH AS THE F4E, F16 AND F-18.

7. DURING THE FRIDAY SESSIONS, A SWEDAIR PAPER WAS DISTRIBUTED TO ATTENDEES OFFERING PLATFORMS FOR "TRAINING FACILITIES FOR SURFACE-TO-AIR AND AIR-TO-AIR WEAPONS SYSTEMS AND THEIR OPERATORS." A COPY IS BEING POUCHED TO ACDA/VAB WITH OTHER LITERATURE.

8. AT CONCLUSION OF CONFERENCE, JOHNSTON REFLECTED THAT DUE TO US/UK/FRG PRESSURE, NEXT COUNTERMEASURES CONFERENCE WOULD NOT USE ICC OR EW TITLE, BUT RATHER SOMETHING MORE INNOCUOUS LIKE "ELECTRONICS SYMPOSIUM." HE IS CURRENTLY DISCUSSING WITH UK MOD OFFICIALS THE POSSIBILITIES OF HOLDING AN EW CONFERENCE RELATED TO NAVAL EW DURING THE ROYAL NAVY EXHIBITION IN SEPTEMBER 1977. HE OPINED HE WOULD LIKE TO DIVIDE THAT CONFERENCE BETWEEN LECTURES AND DISPLAYS OF HARDWARE.

9. PREPARED LECTURES SEEMED MOSTLY TO AVOID DISCUSSIONS OF CLASSIFIED EW TECHNOLOGY, WHILE SOME QUESTIONS AND ANSWERS CAME CLOSER TO PROTECTED AREAS. IN ANY EVENT, CONFIDENTIAL

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IT APPEARED TO US THAT LITTLE WAS PRESENTED THAT IS NOT CURRENTLY AVAILABLE IN OPEN LITERATURE.

10. FROM A NUMBER OF COMMENTS BY ATTENDEES--OVERHEARD AND VOLUNTEERED--IT WOULD SEEM THIS CONFERENCE WAS NOT A SUCCESS, AND THAT THE MAJORITY OF ATTENDEES WERE QUITE DISSATISFIED WITH PROGRAM CONTENT AND SCOPE. ONE PARTICIPANT VOLUNTEERED THAT AS FAR AS HE COULD TELL THE ORGANIZERS WERE OUT TO "MAKE A FAST BUCK." IT SEEMS THAT DISSATISFACTION STEMMED NOT JUST FROM CONSTRAINTS DUE TO THE DELICACY OF THE SUBJECT MATTER, BUT ALSO TO THE ORGANIZATION AND PRESENTATION OF THE PROGRAM WHICH, BY AND LARGE, LACKED STRUCTURE AND COHERENCE. WE MOST CERTAINLY DOUBT THAT ANY PARTICIPANT THOUGHT THAT HIS ATTENDANCE WAS WORTH 200 DOLLARS--OR THE THREE DAYS INVOLVED.

11. AS A PARTING SHOT, IT WAS ANNOUNCED BY HICKEY THAT CONFERENCE TRANSCRIPT WILL BE DISTRIBUTED TO ATTENDEES IN OCTOBER (WE WILL POUCH THE TWO COPIES UPON RECEIPT). ADDITIONALLY, HE SOLICITED SUGGESTIONS FROM ATTENDEES TO IMPROVE THE CONTENT OF FUTURE CONFERENCES, AND ASKED TO

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BE ADVISED ON INFORMATION ON ANY NEW DEVELOPMENTS IN THE  
FIELD. WITH THAT, THREE PAINFUL DAYS CONCLUDED.

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## Message Attributes

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**Control Number:** n/a  
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Margaret P. Grafeld  
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**TAGS:** OCON, TECH, UK  
**To:** STATE  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006